

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008029**Date Inspected:** 07-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 2100**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zou Liu Hai**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG & TOWER components**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector, Dilip Chakrabarti was present during the times noted above for observations relative to the work being performed.

Bay# 14-OBG Assembly:

This QA Inspector randomly observed the following work in progress:

FCAW Process:

Repair welding of weld joint# 003 located on PCMK SEG 1F in Segment Assembly 1AAW. Welder is identified as 058245. ZPMC QC is identified as Chen Xi. The welding variables recorded by QC appeared to comply with the specified WPS no. WPS-345-FCAW-3G(3F)-FCM-Repair.

Bay# 6-Tower Assembly:

This QA Inspector randomly observed the following work in progress:

SMAW Process:

Welding of weld joint# 54 located on PCMK WD1 A305-53M-1. Welder is identified as 037932. ZPMC QC is identified as Zou Liu Hai. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-4113-1.

Welding of weld joint# 47 located on PCMK WD1 A305-53M-1. Welder is identified as 068924. ZPMC QC is identified as Zou Liu Hai. The welding variables recorded by QC appeared to comply with the specified WPS no.

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B-T-4113-1.

Welding of weld joint# 46 located on PCMK WD1 A305-53M-1. Welder is identified as 068091. ZPMC QC is identified as Zou Liu Hai. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-4113-1.

Welding of weld joint# 55 located on PCMK WD1 A305-53M-1. Welder is identified as 066268. ZPMC QC is identified as Zou Liu Hai. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-4113-1.

Unless otherwise noted, all work observed on this date appeared to be generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge Sinevod 134-8257-0045, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Chakrabarti,Dilip Kumar	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford,William	QA Reviewer

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